

Today

Two New Worlds.  
You Are Made of Electrons.  
Twenty-two Trillions in All.  
Other Big Figures.

By ARTHUR BRISBANE.  
(Copyright, 1920.)  
"For the Glory of God and the Honor of Ireland" Mr. E. E. Fournier d'Albe wrote ten or eleven years ago a book called "Two New Worlds." This book by a real scientist, whose other book, "The Electron Theory," intelligent men should read, deals with the infinitely big and infinitely small. It supports with scientific fact the supposed existence of an "infra" and a "supra" universe.

That "infra" world compared with ours would be like a single atom, with its electrons revolving around it, compared to our solar system, sun and planets. And in the "supra" world of infinite bigness our sun, one million times as big as this earth, gigantic Jupiter and all the other planets in our little system would seem as small as an atom, a thing invisible even in the most powerful microscope. Fournier d'Albe's "Two New Worlds" is not recommended to all readers, but let the one in a hundred get it. The ninety-nine others would say "It gives me a headache, with its mathematical symbols," or "If the invisible atom is another universe with its central sun and revolving planets, and if there exists a (supra) universe in which our sun, this earth and all the planets are only an atom, life is too complicated. I don't want to live in a universe infinitely big and infinitely little."

Yet if you lived on a planet infinitely small, or infinitely big, you would not know the difference; "time and space are, after all, purely relative. If at midnight to-night, all things, including ourselves and our measuring instruments, were reduced to one one thousand times, we should be left quite unaware of any such change."

The same thing would hold good in Fournier d'Albe's infra world upon which you would be the twenty-second power of ten times smaller than you are now. To find what ten at the twenty-second power amounts to, write ten on a piece of paper and add twenty-one zeros.

The man who has mental energy to spare for the details of Fournier d'Albe's charmingly written, intensely interesting hundred and fifty pages will order the book, "Two New Worlds," published by Longmans, Green & Co.

The ninety-nine others interested in the recent talk about the power locked up in an atom may be interested in pertinent extracts from "Two New Worlds."

A drop of water hanging on the end of a leaf "may contain thousands of small animals which eat, and fight, and love, and die, and whose span of life, to judge from their intense activity, is probably filled with as many events as our own." Boli that drop and all the life ends.

The smallest living objects contain disease germs, for instance, man never sees, even with the most powerful microscope. You can now see things as small as a one-fifty-thousandth part of an inch in diameter, but that is, microscopically speaking, comparatively large. The best we can ever hope to do, according to the expert Albe, is to see a thing as small as the one hundred and forty-six-thousandth part of an inch.

We "see" things in the microscope because they interfere with the light coming to our eye, as you see your hand when you hold it between your eyes and the window.

Below a diameter of a one hundred and forty-sixth thousandth part of an inch "light bends around the object and enters the eye, just as if the object did not exist."

Therefore we can never see an atom, although Siedentop and Szegmondy, German scientists, have constructed a microscope on the principle of "lateral illumination" making it possible to perceive objects one millionth of an inch in diameter. But "perceiving" is not really seeing.

The appalling smallness of things all around you is made dreadfully emphatic when you are told that living organisms are invisible to the microscope, yet "no living organism contains less than a hundred million molecules." The molecule consists of two atoms, "linked together by electro-static force," and each of these atoms has revolving around it perpetually with terrific speed, approaching the speed of light, its family of electrons; in some cases hundreds of them revolve around a single atom. So that the smallest creature living is made up of a hundred million groups of separate particles of matter, each containing from twenty to a thousand electrons, the electron in itself, as far as we know, infinitely subdivided.

Our sun travels alone in space with its group of families around it. The majority of suns in our universe are double or "binary" stars, revolving around each other, their planets revolving around them and the moons revolving around the planets. In the "infra" or infinitely small world, a molecule is a "binary" star, two atoms held together by electric force, as the double suns are held by gravity, that pulls them together, balances them.

#### WEATHER:

Fair tonight and tomorrow; probably snow tonight. Temperature at 5 a. m., 33 degrees.

NUMBER 11,435.

Published every evening (including Sunday) except on second class matter at the postoffice at Washington, D. C.

WASHINGTON, SUNDAY EVENING, FEBRUARY 8, 1920.

FINAL EDITION  
3 Cents

PRICE THREE CENTS.

# MRS. UHL IS ACQUITTED OF SLAYING

## U. S. Marines Halt Japanese Troops in Siberian Revolt

### NIPPONESE AND YANKS CLASH

Boishevik Force At Vladivostok Sought to Capture Russian General.

JAPANESE AID HIS ESCAPE

"Devil Dogs" Insist That Invading Forces Proceed Without Outside Interference.

LONDON, Feb. 8.—American marines at Vladivostok intervened when Japanese soldiers attempted to prevent revolutionary troops from capturing General Rozanoff. Russian governor general, when the city was taken by the reds, according to a Vladivostok dispatch to the Mail.

Protected by Cruiser.

The message, dated last Sunday, said General Rozanoff escaped and took refuge on a Japanese cruiser in the harbor.

Describing the capture of the city, the correspondent says the first revolutionists entered by stealth, seized the street railroad and used the cars to carry them up the main street, to General Rozanoff's house.

When they tried to surround the building, the Japanese blocked the way, but the officer of an American Marine detachment announced he would not permit interference.

The Japanese then withdrew and all foreign forces observed a neutral attitude subsequently.

Marine corps headquarters is without confirmation of reports that American marines at Vladivostok intervened against Japanese troops attempting to prevent capture of Russian revolutionists of General Rozanoff.

Major General Barnett, marine commandant, said he did not doubt accuracy of the reports, and that landing of marines was within the authority of Admiral Gleaves, commander-in-chief of the Asiatic fleet.

Any report of the incident, General Barnett said, probably would come by mail.

TOKYO, Feb. 8.—Russian officers who have been serving at Vladivostok under General Rozanoff have arrived with their families in Tsuruga harbor on the southern coast of Japan, on two Russian warships. Their arrival was unheralded. It appears to indicate an exodus of Russians from the eastern part of Siberia.

Reports last week reflected a serious situation in Vladivostok and it appeared the Bolsheviks had control up to within a short distance of the city. Nikolai, forty miles north, was in the hands of the reds and American forces along the railroad between that place and Vladivostok reported encountering units of the Soviet army.

A state of siege had been proclaimed in the city and further reinforcements of Japanese troops were expected.

More recent advices said revolutionist forces occupied Vladivostok January 31 and that allied missions had left the city over the trans-Siberian railroad, going toward Harbin.

#### Keeping Up With The Times

##### A FACT A DAY

Remember the plea of an advertising writer, printed a couple of days ago, for more human sentiment and emotion in advertising copy? Here's an example from a recent Macy advertisement, offering dainty things for babies:

"Two of the biggest eyes in the world, a bobbing tip-top curl of down and a pair of saucy dimples—it's surprising how engagingly such a combination lends itself to all the curves and pinks and blues ever known to fashion. Babies were made for naive trifles of satin ribbon, for bits of lace upon moonshine, for flower-soft lengths of fairy fabrics. And babies have a genius for being becoming to anything—just the way a girl dreams of a gown to wear to spring. A bundle of shy laughter, of blue and dreamy, of wide-awake wonder—that's your baby—and a face like an apple blossom."

## Ex-Wife Is Calm After Shooting Husband, Now Lying at Point of Death

HAMPTON, Va., Feb. 8.—Mrs. Mittie Jester Cumming tomorrow will be arraigned before Mayor Slatter charged with shooting her former husband, S. Gordon Cumming, prominent attorney and former member of the Virginia house of delegates, late yesterday afternoon.

Mrs. Cumming displayed unusual calm today in the city jail.

#### Cumming Fights for Life.

Cumming is making a hard fight for the life in the Dixie Hospital. Physicians say he has an even chance of recovery. They probed late last night for the two bullets—one of which struck him in the stomach and entered his liver, the other penetrating the left cheek and ranging downward toward the lungs. Neither bullet was found.

Mrs. Cumming ran from the scene after the shooting, but was caught by a policeman and taken to the Elizabeth City county jail. She was hysterical and cried repeatedly, "I don't want to see it; I don't want to see it." She would say nothing more, and at the jail became so nervous that it was necessary to call a physician.

The shooting occurred shortly before 5:30 o'clock in the business section. Mrs. Cumming had just left his offices and was talking with Burt Masters, when Mrs. Cumming appeared.

Masters moved on, and after a few

minutes' conversation, Mr. Cumming overtook Masters, remarking: "Did you see her make that pass at me?" He made no further remark, and Masters, who did not recognize the woman, left him.

In another minute Mrs. Cumming rushed up to her former husband, drew a .32-caliber Iver-Johnson revolver from the pocket of her dress, and fired point blank. She emptied all five chambers, and continued snapping the trigger.

The shooting is the culmination of marital difficulties in which Mr. and Mrs. Cumming have figured extending over a period of several years. Mr. Cumming secured a divorce from his wife some time ago and his wife, dissatisfied with the terms of the decree, entered in the circuit court of Elizabeth county, obtained a writ of error from the supreme court of Virginia, where an appeal is now pending.

Mrs. Cumming is reported to have made the threat that she would kill him if he attempted to marry again.

## Wife Appeared Unclad In Public and Offered To Fight Duel, He Says

BALTIMORE, Feb. 8.—"September Morn" had nothing on Mrs. Susie Baughman German when it came to unconventional attire, according to witnesses for her husband, Lemuel Irving German, whom she is suing for a limited divorce and alimony in Judge Stanton's court here. The testimony also indicated that the legal battle now being waged would have been another conventionality dispensed with had German acceded to his spouse's proposal to settle their marital difficulties by a duel with pistols.

#### Dispensed With Bathing Suits.

It was testified that on one occasion Mrs. German went in bathing near her home in Fairmount, Somerset county, Md., without a bathing suit; that on another she came out of a bathroom "just as she was," food at the top of a stairway conversing with a man caller on the floor below, and that she had been reentered with for going about in her home clad scantily. Another instance of Mrs. German's alleged disregard for the proprieties testified to was that, wearing only an abbreviated garment, she had gone to a room in which were her husband and two other men.

German was asked concerning his wife's statement that she proposed a

duel with him for the purpose of ending their matrimonial troubles. He corroborated her statement, and said he took the pistols from her, as she was an expert shot with the weapon and he was not taking any chances. This occurred while they were living at Fairmount. They lived together for two years afterward, he said.

Ending a circumstantial account of his married life, Mr. German said his wife became very unhappy when he lost his money.

Denying that he had ever kicked his wife, as she alleged, he explained that when she came home one evening he asked her where she had been. She accused him of attacking her

(Continued on Page 3, Column 3.)

## Limerickers, Attention!

Here's a Change In the Rules—Be Careful To Observe It.

By The Limerick Editor.

Friends, rhymsters, countrymen, lend me your ears. We are under the necessity of making slight change in the rules of the Limerick Contest from this date. Instead of five days in which to complete your limerick you will now have only four.

Entries for No. 7, which appears today on page 3, must be in The Times office by noon on Thursday, February 12.

This means a little more speed, but the Limerickers have shown plenty of that already, and will surely be able to put a cold towel around the forehead and produce in four days.

Louis Dougher, the sports editor,

## START FINAL TREATY FIGHT

Battle Opens in Senate Tomorrow With Deadlock Predicted As Result.

LODGE MAY HAVE SURPRISE

President May Have Advantage Through Power to Pigeon-hole Unsatisfactory Pact.

Senate leaders today are marshaling their forces for what is expected to prove the final treaty battle.

The struggle is scheduled to open tomorrow noon, when Senator Lodge, Republican leader, will call up the treaty for open discussion in the Senate. Senators today are unwilling to attempt to forecast the result of the struggle. Many believe a deadlock will again result. Others say Senator Hitchcock, Administration leader, is preparing to play a new card, but they are unable to explain what this move will be.

#### May Spring Surprise.

Senator Lodge also is credited with having ready an unexpected move. Lodge so far has refused to give any indication of what he will do beyond stating that he plans to ask consideration of the treaty.

Official Washington is guessing wildly and waiting an opening of the struggle with keen interest, certain that it will inject more political sensation into the coming week than have yet been experienced in the treaty fight.

Many observers predict a new move will be made by the President, although the White House attitude was made clear yesterday when Senator Hitchcock made public a letter written to him January 26 by the President. The letter made clear that the President would accept the Hitchcock reservation to Article X, which was rejected by the Senate November 19 by a vote of 50 to 41.

#### Advantage of President.

The President has a natural advantage in the coming fight, according to some officials, by reason of his power to pigeon-hole the treaty if it is ratified in a form of which he does not approve. Those who consider this an advantage point out that except for the Republican "bitter-enders," the Republicans generally want to ratify the treaty in some form. They concede, however, that for the President to reject it would mean that he would have to justify his act to the country and that failure to win public opinion to approve of his act would put the Democratic party in a bad hole.

It is on this basis that many other observers regard the President's power to reject a ratification as a

(Continued on Page 3, Column 5.)

## Factory Hands Breathe 200,000,000 Particles Of Dust in a Foot of Air

More than 200,000,000 tiny particles of dust, as sharp as ground glass, are breathed into the lungs and air passages with every cubic foot of air in some of the factories in the United States, according to a survey made by the Public Health Service at Niagara Falls, N. Y.

The investigation was made at Niagara Falls because plants engaged there in the manufacture of abrasives, chemicals, gases, electrodes, carbons, metals and alloys. In all the factories the workers were found to be exposed to dangers which would eventually completely incapacitate them.

Photomicrographs show the tiny particles to be exceedingly sharp and jagged and chemical tests prove them to be practically insoluble. Work under such conditions invites respiratory diseases and makes a real health hazard, the survey demonstrated.

## Premier Lloyd George Would Modify Original List Given to Germany

LONDON, Feb. 8.—Lord Birkenhead has informed the council of ambassadors that Great Britain is no longer disposed to insist upon full execution of the terms of the peace treaty relating to extradition of Germans responsible for the war and guilty of violations of the rules of international warfare, according to dispatches here.

The dispatches indicate that the delay in final delivery of the note to Germany calling for delivery of the war guilty was due to Premier Lloyd George's view that the original list of Germans to be extradited was too sweeping and that the original text of the note accompanying the list was too forceful.

## GERMANY WON'T SURRENDER GUILTY

BERLIN, Feb. 8.—Indications grow in official circles here that Germany will not submit to enforcement of article 228 of the Versailles treaty, providing for the surrender of Teuton war guilty.

Gustav Noske, minister of defense, was reported to have telegraphed the chief of the German naval staff in

the Baltic that "no Germans will be surrendered."

Noske's telegram, according to the report, was in reply to one from the naval chief declaring the navy would not consent to the extradition of Admiral von Trotha, whose name is on the allied list of accused.

The list of accused, with its covering note, was expected to be handed to the government officially tonight through either the French or British charge d'affaires.

Noske's statement followed bitter

(Continued on Page 2, Column 2.)

## Butcher Boy Lover of Social Butterfly May Bare Thefts and Gaiety

CHICAGO, Feb. 8.—Failing in all efforts to make "Monda Rose," erstwhile bookkeeper and social butterfly, implicate others with her, police today pinned hopes of learning the full facts in the matter of embezzlement of \$10,000 from the Biehl & Sifferman Leather Co., Rose's employee, upon Harry Berger, butcher boy, who is said to have enjoyed the indicted girl's favor.

#### Fails to Furnish Bond.

"Monda Rose," whose real name is Rose Schweiburg, was in a jail cell today, having failed to produce the \$30,000 bond demanded for her release, following her indictment by a grand jury on charges of raising a check issued by her employers and of embezzling \$10,000 from the concern. She was brought back here from Winnipeg, where she had fled when it became apparent the firm intended to conduct an investigation of her books.

She was defiant today, and threatened to divulge the names of the men with whom she had spent large sums of money. She refused to name these men, however, until convinced that the firm actually intended to prosecute her.

"I'm sitting pretty," she told detectives, "and I won't squeal until they begin to prosecute me. If they do

go on with this, however, I'll have something to say that will throw a scare into a good many people."

Detectives declare the girl led a dual life rivaling the most romantic figures of fiction. She had all the comforts of the wealthy after leaving her bookkeeping stool at night. Detectives said she went to a well-furnished nest, where the shirtwaist and apron of business life were replaced by décolleté and the pen by diamond rings. She had a high-powered automobile, a thoroughbred saddle horse and many other costly possessions. So well supplied was she with comforts that she made gifts of saddle horses to friends.

Berger, the butcher boy, insisted that there was a socially prominent young man involved and that this was what "Monda Rose" meant when she threatened to "tell all."

## War Mother, In Tears, Delays Wedding Spiker

FALL RIVER, Mass., Feb. 8.—Guy S. Spiker, of Baltimore, will give his name to the English girl who had loved his brother and who became the unmarried mother of the latter's child when he weds Miss Emily Knowles at the home of Mr. and Mrs. William Batterby at 12:30 p. m. today by the Rev. Henry A. Arnold, of the Vogel Street Christian Church.

The ceremony was originally planned to be performed at 10 o'clock, and the minister had arrived at the Batterby home. Guy Spiker gave the marriage license to the Rev. Arnold and all was ready for the wedding. Emily Knowles, the bride-to-be, was crying in an outer room of the house, and despite persuasion of Mrs. Batterby she refused to be married immediately, pleading for an hour's delay.

The minister finally left the house

in order to conduct services at the church, and told Guy Spiker he would return for the ceremony at 12:30 upon conclusion of services at the church.

#### BRITISH COTTON BOYCOTT MAY CUT CLOTHES COST

A big drop in prices of spring and summer clothing will follow the boycott of American raw cotton by English manufacturers, officials predicted here today.

The reduction is expected to be most noticeable in prices on garments for women whose clothing is made more from cotton fabrics than men's. An indirect reduction also will result in prices of woolen fabrics, it is expected.

## QUIT HUSBAND AFTER VERDICT

Freed Wife Goes to Home of Parents At Mt. Savage, Maryland.

TAKES CHILDREN WITH HER

Father Had to Be Convinced to Woman He Said

testimony.

(By Staff Correspondent.)

CUMBERLAND, Md., Feb. 8.—Repulsing her husband, who on the witness stand in her defense bared his intimacy with other women, Katherine Uhl, freed yesterday by a jury of the slaying of Edgar Bryan Pownell, twenty-three years old, former member of the United States Aviation Section, today is at the home of her father, Thomas Geary, at Mt. Savage, Md., surrounded by her three children and happy friends and relatives.

Repented of Judgment.

Mervin Uhl, her husband, is in Cumberland. It was his threat to expose her, to deprive her of her three children, when he claimed to have trapped her in a compromising position with Pownell, that led to the slaying. But, believing he had wrongly judged his wife, and being moved by a spirit of repentance, he took the witness stand and told of his reckless escapades with other women and to attempt to impress the jury with the fact that the accused woman always had been a faithful wife and mother. Although he was in the courtroom when he was bitterly condemned by counsel for both sides for his treatment of his wife, Uhl seemed undisturbed. And, when his wife left him, leaving with her children and friends and her father to go to Mt. Savage in an automobile, he said he hoped his wife would become reconciled to him—that for the sake of their children he intended to plead for another chance.

Although it had been generally predicted that Mrs. Uhl would be freed, it took the jury just one hour and fifteen minutes to reach a verdict of acquittal. The vote was unanimous on the first ballot.

Judge Stops Applause.

When the talesmen filed into the jury box, Mrs. Uhl's face remained expressionless. She gazed at each man as he took his seat and when the foreman, Hugh Kelso, a minister, married and the father of six children, of Frostburg, Md., was asked if the jury had reached a verdict, he answered: "Yes—that the defendant is not guilty."

The spectators in the crowded courtroom leaped to their feet and were about to applaud the verdict when Judge Henderson announced that if any demonstration was made, those responsible would be arrested for contempt of court.

The defendant, now a free woman, was the least affected. She remained the cool, unemotional woman whose life had been held in the hands of those twelve men. She did not stoop to thank them, but sat in a chair, clinging to her twelve-month-old baby Virginia.

Father Weeps of Joy.

But while his daughter had been saved from the gallows, or probably penal imprisonment, the most affected person in the courtroom was her father, Thomas Geary, who wept of joy. Women rushed to the defendant, many planted kisses on her cheeks, others seized her by the hand and kissed the babies, who had been in the courtroom all through the trial.

Never before was a scene enacted in the Allegheny county court as that when the jury brought in its word of acquittal to this mother of three children and the wife of a man who had revealed his unfaithfulness, his cruel idea that a wife is a slave in the home.

The pressure of the spectators became so great that Mrs. Uhl had to plead with the court attendants to

(Continued on Page 2, Column 3.)

## VILLA ASKS \$20,000 FOR RELEASE OF AMERICAN

Francisco Villa is holding Joseph E. Askew, an American citizen, for \$20,000 ransom, according to an uncorroborated report received today by the State Department.

The State Department has been advised that Askew, an employee of the Tlahualilo Company, was kidnapped by bandits during an attack on the company's plantation at Lerdo, State of Durango, on the night of February 2.